Author index

ABDUS SALAM, MD. *see* NAKAO, R.
ABO, T. *see* TSUKADA, C.
AHMAD, A. *see* TRAN, P.
AHMAD, R. *see* TRAN, P.
AKARI, H. *see* LEE, W.-W.
AKBAR, A.N., TAAMS, L.S., SALMON, M. & VUKMANOVIC-STEJIC, M. The peripheral generation of $CD4^+$ $CD25^+$ regulatory T cells, 319
ALTMANN, D.M. & BOYTON, R.J. Reciprocal conditioning: T cells as regulators of dendritic cell function, 473
AMAGASA, T. *see* NAKAO, R.
AOBA, T. *see* NAKAO, R.
ARITAKE, S. *see* ZHOU, Y.-W.
ASANO, T. *see* NAKAO, R.
ASIN, S.N. *see* YEAMAN, G.R.
AVERBECK, M. *see* TERMEER, C.
AWATA, T. *see* UENISHI, H.

BAATJES, A. *see* SEHMI, R.
BARNES, P.J. *see* STAPLES, K.J.
BARR, T.A., MCCORMICK, A.L., CARLRING, J. & HEATH, A. W. A potent adjuvant effect of CD40 antibody attached to antigen, 87
BARTZ, H., TÜRKEL, Ö., HOFFJAN, S., ROTHOEFT, T., GONSCHOREK, A. & SCHAUER, U. Respiratory syncytial virus decreases the capacity of myeloid dendritic cells to induce interferon-γ in naïve T cells, 49
BASARABA, R.J. *see* KIPNIS, A.
BEACOCK-SHARP, H. *see* ROBSON, N.C.
BECKEBAUM, S., CICINNATI, V.R., ZHANG, X., FERENCIK, S., FRILLING, A., GROSSE-WILDE, H., BROELSCH, C.E. & GERKEN, G. Hepatitis B virus-induced defect of monocyte-derived dendritic cells leads to impaired T helper type 1 response *in vitro*: mechanisms for viral immune escape, 487
BERGERONE, S. *see* LUPIA, E.
BERGMANN, M.W. *see* STAPLES, K.J.
BLEEKER, W.K. *see* PADILLA, N.D.
BODMER, H.C. *see* COHEN, E.S.
BOLLINGER, R.R., EVERETT, M.L., PALESTRANT, D., LOVE, S.D., LIN, S.S. & PARKER, W. Human secretory immunoglobulin A may contribute to biofilm formation in the gut, 580
BORGES, M., DA SILVA, A.C., SERENO, D. & OUAISSI, A. Peptide-based analysis of the amino acid sequence important to the immunoregulatory function of *Trypanosoma cruzi* Tc52 virulence factor, 147
BOSSUYT, S. *see* OXFORD, J.S.
BOYTON, R.J. *see* ALTMANN, D.M.
BRÜGGEMANN, M. *see* NGUYEN, V.K.
BRISCOE, H. *see* MARTIN, E.
BRITTON, W.J. *see* MARTIN, E.
BROELSCH, C.E. *see* BECKEBAUM, S.
BROWN, K.S. *see* WILSON, E.H.
BRYS, L. *see* NGUYEN, V.K.
BUCHANAN, R.R.C. *see* WINES, B.D.
BUELTA, L. *see* MERINO, J.

CABAUD, O. *see* HUANG, F.
CAMUSSI, G. *see* LUPIA, E.
CARLRING, J. *see* BARR, T.A.
CARLRING, J., SHAIF-MUTHANA, M., SISLEY, K., RENNIE, I.G. & MURRAY, A. K. Apoptotic cell death in conjunction with CD80 costimulation confers uveal melanoma cells with the ability to induce immune responses, 41
CARVALHO, D.S. *see* HERNANDEZ, M.O.
CERUNDOLO, V. *see* JONES, E.
CHALIFOUR, A., ROGER, J., LEMIEUX, S. & DUPLAY, P. Receptor/ligand avidity determines the capacity of Ly49 inhibitory receptors to interfere with T-cell receptor-mediated activation, 58
CHEN, D., XIA, J., TANAKA, Y., CHEN, H., KOIDO, S., WERNET, O., MUKHERJEE, P., GENDLER, S.J., KUFE, D. & GONG, J. Immunotherapy of spontaneous mammary carcinoma with fusions of dendritic cells and mucin 1-positive carcinoma cells, 300
CHEN, H. *see* CHEN, D.
CHO, D. *see* KIM, T.S.
CHUANG, S.S., LEE, J.-K. & MATHEW, P.A. Protein kinase C is involved in 2B4 (CD244)-mediated cytotoxicity and AP-1 activation in natural killer cells, 432
CHUNG, K.F. *see* EYNOTT, P.R.
CHUNG, S.W. *see* LEE, M.H.
CICINNATI, V.R. *see* BECKEBAUM, S.
COHEN, E.S. & BODMER, H. C. Cytotoxic T lymphocytes recognize and lyse chondrocytes under inflammatory, but not non-inflammatory conditions, 8
COLLINS, J.E. *see* YEAMAN, G.R.
COOPER, A.M. *see* KIPNIS, A.

DÍEZ, M.A. *see* MERINO, J.
DA SILVA, A.C. *see* BORGES, M.
DAHA, M.R. *see* PADILLA, N.D.
DAHM-VICKER, M. *see* JONES, E.
DANILENKO, D.M. *see* ELLISON, C.A.
DEEHAN, M.R. *see* WILSON, E.H.
DEGAWA, T. *see* MATSUMURA, T.
DEHAL, P.K. *see* PLEASS, R.J.
DEL SORBO, L. *see* LUPIA, E.
DEMIAN, D.J. *see* YEAMAN, G.R.
DENBURG, J.A. *see* SEHMI, R.
DONACHIE, A.M. *see* ROBSON, N.C.
DORMAN, S. *see* SEHMI, R.
DOWNING, I., KOCH, C. & KILPATRICK, D.C. Immature dendritic cells possess a sugar-sensitive receptor for human mannan-binding lectin, 360
DUPLAY, P. *see* CHALIFOUR, A.

EIBEL, H. *see* TERMEER, C.
ELLISON, C.A., NATUIK, S.A., MCINTOSH, A.R., SCULLY, S.A., DANILENKO, D.M. & GARTNER, J.G. The role of interferon-γ, nitric oxide and lipopolysaccharide in intestinal graft-versus-host disease developing in F_1-hybrid mice, 440
EMANUELLI, G. *see* LUPIA, E.
EMMANUILIDIS, K. *see* FETEROWSKI, C.
ENDHARTI, A.T. *see* ZHOU, Y.-W.
EVERETT, M.L. *see* BOLLINGER, R.R.
EYNOTT, P.R., SALMON, M., HUANG, T.-J., OATES, T., NICKLIN, P.L. & CHUNG, K.F. Effects of cyclosporin A and a rapamycin derivative (SAR943) on chronic allergic inflammation in sensitized rats, 461

FANGER, M.W. *see* YEAMAN, G.R.
FERENCIK, S. *see* BECKEBAUM, S.
FERRIER, P. *see* HUANG, F.
FETEROWSKI, C., EMMANUILIDIS, K., MIETHKE, T., GERAUER, K., RUMP, M., ULM, K., HOLZMANN, B. & WEIGHARDT, H. Effects of functional Toll-like receptor-4 mutations on the immune response to human and experimental sepsis, 426
FILLER, R.B. *see* GIRARDI, M.
FLORQUIN, S. *see* WEIJER, S.
FOLEY, R. *see* SEHMI, R.
FRANKEL, F.R. *see* RAYEVSKAYA, M.
FRILLING, A. *see* BECKEBAUM, S.

GALLIMORE, A. *see* JONES, E.
GAME, B.A. *see* MALDONADO, A.
GARTNER, J.G. *see* ELLISON, C.A.
GAVIN, A. *see* WINES, B.D.
GENDLER, S.J. *see* CHEN, D.
GERAUER, K. *see* FETEROWSKI, C.
GERKEN, G. *see* BECKEBAUM, S.
GIRARDI, M., SHERLING, M.A., FILLER, R.B., SHIRES, J., THEODORIDIS, E., HAYDAY, A.C. & TIGELAAR, R. E. Anti-inflammatory effects in the skin of thymosin-β4 splice-variants, 1
GONG, J. *see* CHEN, D.
GONSCHOREK, A. *see* BARTZ, H.
GOODRIDGE, H.S., HARNETT, W., LIEW, F.Y. & HARNETT, M.M. Differential regulation of interleukin-12 p40 and p35 induction via Erk mitogen-activated protein kinase-dependent and -independent mechanisms and the implications for bioactive IL-12 and IL-23 responses, 415
GREICIUS, G. *see* WESTERBERG, L.
GROSSE-WILDE, H. *see* BECKEBAUM, S.
GUINET, E. *see* NOURI-SHIRAZI, M.

HACK, C.E. *see* PADILLA, N.D.
HAGIHARA, K. *see* KOHAMA, Y.
HANADA, N. *see* NAKAO, R.
HANNA, S.M. *see* HARRIS, C.L.
HARA, H. *see* TERMEER, C.
HARA, T. *see* NAKAO, R.
HARNETT, M.M. *see* GOODRIDGE, H.S.
HARNETT, M.M. *see* WILSON, E.H.
HARNETT, W. *see* GOODRIDGE, H.S.
HARNETT, W. *see* WILSON, E.H.
HARRIS, C.L., HANNA, S.M., MIZUNO, M., HOLT, D.S., MARCHBANK, K.J. & MORGAN, B.P. Characterization of the mouse analogues of CD59 using novel monoclonal antibodies: tissue distribution and functional comparison, 117
HASHIMOTO, T. *see* KOHAMA, Y.
HATTORI, R. *see* POWELL, T.J.
HAYAKAWA, A. *see* ZHOU, Y.-W.

HAYASHI, H. *see* MATSUMURA, T.
HAYDAY, A.C. *see* GIRARDI, M.
HE, H., STONE, J.R. & PERKINS, D. L. Analysis of differential immune responses induced by innate and adaptive immunity following transplantation, 185
HEATH, A.W. *see* BARR, T.A.
HEATON, M.P. *see* MARSHALL-CLARKE, S.
HERNANDEZ, M.O., NEVES, I., JR., SALES, J.S., CARVALHO, D.S., SARNO, E.N. & SAMPAIO, E. P. Induction of apoptosis in monocytes by *Mycobacterium leprae in vitro*: a possible role for tumour necrosis factor-α, 156
HERRLICH, P. *see* TERMEER, C.
HIRAIWA, H. *see* UENISHI, H.
HOFFJAN, S. *see* BARTZ, H.
HOGARTH, P.M. *see* WINES, B.D.
HOGG, N. Nicotine has suppressive effects on dendritic cell function, 329
HOLT, D.S. *see* HARRIS, C.L.
HOLZMANN, B. *see* FETEROWSKI, C.
HOMMES, M. *see* VAN RIJEN, M.M.L.
HONDA, M. *see* NAKAO, R.
HORI, T. *see* UKYO, N.
HORIBATA, S. *see* NAKAO, R.
HOUSTON, K.M. *see* WILSON, E.H.
HOWELL, A.L. *see* YEAMAN, G.R.
HUANG, F., CABAUD, O., VERTHUY, C., HUEBER, A.-O. & FERRIER, P. αβ T-cell development is not affected by inversion of *TCR β* gene enhancer sequences: polar enhancement of gene expression regardless of enhancer orientation, 510
HUANG, T.-J. *see* EYNOTT, P.R.
HUANG, Y. *see* MALDONADO, A.
HUBER, B.T. *see* LI, W.
HUEBER, A.-O. *see* HUANG, F.
HWANG, S.Y. *see* LEE, M.H.

IJZERMANS, J.N.M. *see* VAN RIJEN, M.M.L.
INDERBERG, E.M. *see* NOBLE, A.
INOKO, H. *see* UENISHI, H.
INOUE, J.-I. *see* MATSUMURA, T.
ISHII, S. *see* WEIJER, S.
ISHIKAWA, T. *see* UKYO, N.
ISHIMOTO, Y. *see* TSUKADA, C.

JENKINS, C.D. *see* POWELL, T.J.
JONES, E., PRICE, D.A., DAHM-VICKER, M., CERUNDOLO, V., KLENERMAN, P. & GALLIMORE, A. The influence of macrophage inflammatory protein-1α on protective immunity mediated by antiviral cytotoxic T cells, 68
JOYCE, S. *see* STANIC, A.K.
JUNG, Y.-J., RYAN, L., LACOURSE, R. & NORTH, R.J. Increased interleukin-10 expression is not responsible for failure of T helper 1 immunity to resolve airborne *Mycobacterium tuberculosis* infection in mice, 295

KABIR, K. *see* YANG, J.-H.
KAMATH, A.T. *see* MARTIN, E.
KANG, B.Y. *see* KIM, T.S.
KANG, B.Y. *see* LEE, M.H.
KATZ, E. *see* WILSON, E.H.
KAWAMURA, H. *see* TSUKADA, C.
KAY, A.B. *see* SEHMI, R.
KIKKAWA, E. *see* UENISHI, H.
KILPATRICK, D.C. *see* DOWNING, I.
KIM, S.H. *see* KIM, T.S.
KIM, T.S. *see* LEE, M.H.
KIM, T.S., KANG, B.Y., CHO, D. & KIM, S.H. Induction of interleukin-12 production in mouse macrophages by berberine, a benzodioxoloquinolizine alkaloid, deviates $CD4^+$ T cells from a Th2 to a Th1 response, 407
KIPNIS, A., BASARABA, R.J., ORME, I.M. & COOPER, A.M. Role of chemokine ligand 2 in the protective response to early murine pulmonary tuberculosis, 547
KLENERMAN, P. *see* JONES, E.
KOCH, C. *see* DOWNING, I.
KOGA, R. *see* OYA, K.
KOHAMA, Y., SHINODA, S., HAGIHARA, K., HASHIMOTO, T., YAMAGUCHI, A., NAKAMURA, A., TSUCHIYA, T., TSUJIKAWA, K. & YAMAMOTO, H. Isolation of proliferation factor of immature T-cell clone in concanavalin A-stimulated splenocyte culture supernatant, 209
KOIDO, S. *see* CHEN, D.
KUFE, D. *see* CHEN, D.
KUSHNIR, N. *see* RAYEVSKAYA, M.
KWEKKEBOOM, J. *see* VAN RIJEN, M.M.L.

LÓPEZ-HOYOS, M. *see* MERINO, J.
LACOURSE, R. *see* JUNG, Y.-J.
LAMBKIN, R. *see* OXFORD, J.S.
LAUWEREYS, M. *see* NGUYEN, V.K.
LEE, C.H. *see* LEE, M.H.
LEE, J.-K. *see* CHUANG, S.S.
LEE, M.H., CHUNG, S.W., KANG, B.Y., PARK, J., LEE, C.H., HWANG, S.Y. & KIM, T. S. Enhanced interleukin-4 production in $CD4^+$ T cells and elevated immunoglobulin E levels in antigen-primed mice by bisphenol A and nonylphenol, endocrine disruptors: involvement of nuclear factor-AT and Ca^{2+}, 76
LEE, W.-W., NAM, K.-H., TERAO, K., AKARI, H. & YOSHIKAWA, Y. Age-related increase of peripheral $CD4^+$ $CD8^+$ double-positive T lymphocytes in cynomolgus monkeys: longitudinal study in relation to thymic involution, 217
LEEMANS, J.C. *see* WEIJER, S.
LEGGAT, J.A. *see* NOBLE, A.
LEMIEUX, S. *see* CHALIFOUR, A.
LEWIS, M.J. *see* PLEASS, R.J.
LI, W., ROSENZWEIG, A. & HUBER, B.T. Differential T-cell activation by B7-1 expression, 336
LIEW, F.Y. *see* GOODRIDGE, H.S.
LIN, S.S. *see* BOLLINGER, R.R.
LJUNGGREN, H.-G. *see* WESTERBERG, L.
LOVE, S.D. *see* BOLLINGER, R.R.
LUBBERS, Y. *see* PADILLA, N.D.
LUO, X. *see* YANG, J.-H.
LUPIA, E., DEL SORBO, L., BERGERONE, S., EMANUELLI, G., CAMUSSI, G. & MONTRUCCHIO, G. The membrane attack complex of complement contributes to plasmin-induced synthesis of platelet-activating factor by endothelial cells and neutrophils, 557

MACPHERSON, G.G. *see* POWELL, T.J.
MALDONADO, A., GAME, B.A., SONG, L. & HUANG, Y. Up-regulation of matrix metalloproteinase-1 expression in U937 cells by low-density lipoprotein-containing immune complexes requires the activator protein-1 and the Ets motifs in the distal and the proximal promoter regions, 572
MANJARREZ-ORDUÑO, N., PARKHOUSE, R.M.E. & SANTOS-ARGUMEDO, L. NIM-R7, a novel marker for resting B1 and marginal-zone B lymphocytes, is also expressed on activated T and B cells, 232
MARCHBANK, K.J. *see* HARRIS, C.L.
MARKOWSKI-GRIMSRUD, C.J. & SCHAT, K.A. Infection with chicken anaemia virus impairs the generation of pathogen-specific cytotoxic T lymphocytes, 283
MARSHALL-CLARKE, S., TASKER, L., HEATON, M.P. & PARKHOUSE, R. M.E. A differential requirement for phosphoinositide 3-kinase reveals two pathways for inducible upregulation of major histocompatibility complex class II molecules and CD86 expression by murine B lymphocytes, 102
MARTIN, E., KAMATH, A.T., BRISCOE, H. & BRITTON, W.J. The combination of plasmid interleukin-12 with a single DNA vaccine is more effective than *Mycobacterium bovis* (bacille Calmette–Guèrin) in protecting against systemic *Mycobacterim avium* infection, 308
MATHEW, P.A. *see* CHUANG, S.S.
MATIN, K. *see* NAKAO, R.
MATSUMURA, T., DEGAWA, T., TAKII, T., HAYASHI, H., OKAMOTO, T., INOUE, J.-I. & ONOZAKI, K. TRAF6-NF-κB pathway is essential for interleukin-1-induced TLR2 expression and its functional response to TLR2 ligand in murine hepatocytes, 127
MCCORMICK, A.L. *see* BARR, T.A.
MCINTOSH, A.R. *see* ELLISON, C.A.
MENEZES, J. *see* TRAN, P.
MENSCH, A. *see* NEUBER, K.
MERINO, J., DÍEZ, M.A., MUÑIZ, M., BUELTA, L., NÚÑEZ, G., LÓPEZ-HOYOS, M. & MERINO, R. Inhibition of B-cell death does not restore T-cell-dependent immune responses in CD40-deficient mice, 504
MERINO, R. *see* MERINO, J.
METSELAAR, H.J. *see* VAN RIJEN, M.M.L.
VAN MIERLO, G.J. *see* PADILLA, N.D.
MIETHKE, T. *see* FETEROWSKI, C.
MIYAJI, C. *see* TSUKADA, C.
MIYAKAWA, R. *see* TSUKADA, C.
MIYAZAWA, S. *see* TSUKADA, C.
MIZUNO, M. *see* HARRIS, C.L.
MONTRUCCHIO, G. *see* LUPIA, E.
MORGAN, B.P. *see* HARRIS, C.L.
MOWAT, A.M.I. *see* ROBSON, N.C.
MUÑIZ, M. *see* MERINO, J.
MUKHERJEE, P. *see* CHEN, D.
MURRAY, A.K. *see* CARLRING, J.
MUYLDERMANS, S. *see* NGUYEN, V.K.

NÚÑEZ, G. *see* MERINO, J.
NAKAMURA, A. *see* KOHAMA, Y.
NAKAO, R., HANADA, N., ASANO, T., HARA, T., ABDUS SALAM, MD., MATIN, K., SHIMAZU, Y., NAKASONE, T., HORIBATA, S., AOBA, T., HONDA, M., AMAGASA, T. & SENPUKU, H. Assessment of oral transmission using cell-free human immunodeficiency virus-1 in mice reconstituted with human peripheral blood leucocyte, 271
NAKASHIMA, I. *see* ZHOU, Y.-W.
NAKASONE, T. *see* NAKAO, R.
NAM, K.-H. *see* LEE, W.-W.
NATUIK, S.A. *see* ELLISON, C.A.

NEUBER, K., SCHMIDT, S. & MENSCH, A. Telomere length measurement and determination of immunosenescence-related markers (CD28, CD45RO, CD45RA, interferon-γ and interleukin-4) in skin-homing T cells expressing the cutaneous lymphocyte antigen: indication of a non-ageing T-cell subset, 24
NEVES, I., JR. *see* HERNANDEZ, M.O.
NEWTON, R. *see* STAPLES, K.J.
NGUYEN, V.K., ZOU, X., LAUWEREYS, M., BRYS, L., BRÜGGEMANN, M. & MUYLDERMANS, S. Heavy-chain only antibodies derived from dromedary are secreted and displayed by mouse B cells, 93
NICKLIN, P.L. *see* EYNOTT, P.R.
NIE, Y. *see* YANG, J.-H.
NOBLE, A., LEGGAT, J.A. & INDERBERG, E.M. $CD8^+$ immunoregulatory cells in the graft-versus-host reaction: CD8 T cells activate dendritic cells to secrete interleukin-12/interleukin-18 and induce T helper 1 autoantibody, 476
NORTH, R.J. *see* JUNG, Y.-J.
NOURI-SHIRAZI, M. & GUINET, E. Evidence for the immunosuppressive role of nicotine on human dendritic cell functions, 365

O'BYRNE, P.M. *see* SEHMI, R.
O'CONNELL, D.M. *see* YEAMAN, G.R.
O'GRADY, J. *see* WILSON, E.H.
OATES, T. *see* EYNOTT, P.R.
OKAMOTO, T. *see* MATSUMURA, T.
ONOZAKI, K. *see* MATSUMURA, T.
ORME, I.M. *see* KIPNIS, A.
OUAISSI, A. *see* BORGES, M.
OXFORD, J.S., BOSSUYT, S. & LAMBKIN, R.A new infectious disease challenge: Urbani severe acute respiratory syndrome (SARS) associated coronavirus, 326
OYA, K., WANG, J., WATANABE, Y., KOGA, R. & WATANABE, T. Appearance of the LAT protein at an early stage of B-cell development and its possible role, 351

PADILLA, N.D., BLEEKER, W.K., LUBBERS, Y., RIGTER, G.M.M., VAN MIERLO, G.J., DAHA, M.R. & HACK, C.E. Rat C-reactive protein activates the autologous complement system, 564
PALESTRANT, D. *see* BOLLINGER, R.R.
PARK, J. *see* LEE, M.H.
PARK, J.-J. *see* STANIC, A.K.
PARKER, W. *see* BOLLINGER, R.R.
PARKHOUSE, R.M.E. *see* MARSHALL-CLARKE, S.
PARKHOUSE, R.M.E. *see* MANJARREZ-ORDUÑO, N.
PERKINS, D.L. *see* HE, H.
PISETSKY, D.S. *see* ZHU, F.-G.
PLEASS, R.J., DEHAL, P.K., LEWIS, M.J. & WOOF, J.M. Limited role of charge matching in the interaction of human immunoglobulin A with the immunoglobulin A Fc receptor (FcαRI) CD89, 331
VAN DER POLL, T. *see* WEIJER, S.
POWELL, M.S. *see* WINES, B.D.
POWELL, T.J., JENKINS, C.D., HATTORI, R. & MACPHERSON, G. G. Rat bone marrow-derived dendritic cells, but not *ex vivo* dendritic cells, secrete nitric oxide and can inhibit T-cell proliferation, 197
PRICE, D.A. *see* JONES, E.

RABINOVICI, R. *see* YANG, J.-H.
RAYEVSKAYA, M., KUSHNIR, N. & FRANKEL, F.R. Anti-human immunodeficiency virus-gag $CD8^+$ memory T cells generated *in vitro* from *Listeria*-immunized mice, 450
REICH, C.F. *see* ZHU, F.-G.
RENNIE, I.G. *see* CARLRING, J.
RIGTER, G.M.M. *see* PADILLA, N.D.
ROBINSON, D.S. *see* SEHMI, R.
ROBSON, N.C., BEACOCK-SHARP, H., DONACHIE, A.M. & MOWAT, A.M.I. Dendritic cell maturation enhances $CD8^+$ T-cell responses to exogenous antigen via a proteasome-independent mechanism of major histocompatibility complex class I loading, 374
ROGER, J. *see* CHALIFOUR, A.
ROSENZWEIG, A. *see* LI, W.
ROSSOLL, R.M. *see* WIRA, C.R.
ROTHOEFT, T. *see* BARTZ, H.
RUMP, M. *see* FETEROWSKI, C.
RYAN, L. *see* JUNG, Y.-J.

SALES, J.S. *see* HERNANDEZ, M.O.
SALMON, M. *see* AKBAR, A.N.
SALMON, M. *see* EYNOTT, P.R.
SAMPAIO, E.P. *see* HERNANDEZ, M.O.
SANTOS-ARGUMEDO, L. *see* MANJARREZ-ORDUÑO, N.
SARNO, E.N. *see* HERNANDEZ, M.O.
SCHAT, K.A. *see* MARKOWSKI-GRIMSRUD, C.J.
SCHAUER, U. *see* BARTZ, H.
SCHMIDT, S. *see* NEUBER, K.
SCULLY, S.A. *see* ELLISON, C.A.
SEHMI, R., DORMAN, S., BAATJES, A., WATSON, R., FOLEY, R., YING, S., ROBINSON, D.S., KAY, A.B., O'BYRNE, P.M. & DENBURG, J.A. Allergen-induced fluctuation in CC chemokine receptor 3 expression on bone marrow $CD34^+$ cells from asthmatic subjects: significance for mobilization of haemopoietic progenitor cells in allergic inflammation, 536
SENPUKU, H. *see* NAKAO, R.
SERENO, D. *see* BORGES, M.
SEVERINSON, E. *see* WESTERBERG, L.
SHAIF-MUTHANA, M. *see* CARLRING, J.
SHERLING, M.A. *see* GIRARDI, M.
SHIINA, T. *see* UENISHI, H.
SHIMAZU, Y. *see* NAKAO, R.
SHIMIZU, T. *see* WEIJER, S.
SHINODA, S. *see* KOHAMA, Y.
SHIRES, J. *see* GIRARDI, M.
SIMON, J.C. *see* TERMEER, C.
SISLEY, K. *see* CARLRING, J.
SLEEMAN, J. *see* TERMEER, C.
SONG, L. *see* MALDONADO, A.
STANIC, A.K., PARK, J.-J. & JOYCE, S. Innate self recognition by an invariant, rearranged T-cell receptor and its immune consequences, 171
STAPLES, K.J., BERGMANN, M.W., BARNES, P.J. & NEWTON, R. Evidence for post-transcriptional regulation of interleukin-5 by dexamethasone, 527
STEINITZ, M. *see* WINES, B.D.
STONE, J.R. *see* HE, H.
SU, Y. *see* YANG, J.-H.
SUZUKI, H. *see* ZHOU, Y.-W.

TÜRKEL, Ö. *see* BARTZ, H.
TAAMS, L.S. *see* AKBAR, A.N.
TAKAGAKI, Y. *see* UENISHI, H.
TAKII, T. *see* MATSUMURA, T.
TANAKA, Y. *see* CHEN, D.
TASKER, L. *see* MARSHALL-CLARKE, S.
TENGER, C. & ZHOU, X. Apolipoprotein E modulates immune activation by acting on the antigen-presenting cell, 392
TERAO, K. *see* LEE, W.-W.
TERMEER, C., AVERBECK, M., HARA, H., EIBEL, H., HERRLICH, P., SLEEMAN, J. & SIMON, J.C. Targeting dendritic cells with CD44 monoclonal antibodies selectively inhibits the proliferation of naive $CD4^+$ T-helper cells by induction of FAS-independent T-cell apoptosis, 32
THEODORIDIS, E. *see* GIRARDI, M.
TIGELAAR, R.E. *see* GIRARDI, M.
TILANUS, H.W. *see* VAN RIJEN, M.M.L.
TRAN, P., AHMAD, R., XU, J., AHMAD, A. & MENEZES, J. Host's innate immune response to fungal and bacterial agents *in vitro*: up-regulation of interleukin-15 gene expression resulting in enhanced natural killer cell activity, 263
TSUCHIYA, T. *see* KOHAMA, Y.
TSUJIKAWA, K. *see* KOHAMA, Y.
TSUKADA, C., MIYAJI, C., KAWAMURA, H., MIYAKAWA, R., YOKOYAMA, H., ISHIMOTO, Y., MIYAZAWA, S., WATANABE, H. & ABO, T. Characterization of extrathymic $CD8\alpha\beta$ T cells in the liver and intestine in TAP-1 deficient mice, 343

UCHIYAMA, T. *see* UKYO, N.
UENISHI, H., HIRAIWA, H., YAMAMOTO, R., YASUE, H., TAKAGAKI, Y., SHIINA, T., KIKKAWA, E., INOKO, H. & AWATA, T. Genomic structure around joining segments and constant regions of swine T-cell receptor α/δ (*TRA/TRD*) locus, 515
UKYO, N., HORI, T., YANAGITA, S., ISHIKAWA, T. & UCHIYAMA, T. Costimulation through OX40 is crucial for induction of an alloreactive human T-cell response, 226
ULM, K. *see* FETEROWSKI, C.

VAN RIJEN, M.M.L., METSELAAR, H.J., HOMMES, M., IJZERMANS, J.N.M., TILANUS, H.W. & KWEKKEBOOM, J. Mycophenolic acid is a potent inhibitor of the expression of tumour necrosis factor- and tumour necrosis factor-receptor superfamily costimulatory molecules, 109
VERTHUY, C. *see* HUANG, F.
VUKMANOVIC-STEJIC, M. *see* AKBAR, A.N.

WALLIN, R.P.A. *see* WESTERBERG, L.
WANG, J. *see* OYA, K.
WATANABE, H. *see* TSUKADA, C.
WATANABE, T. *see* OYA, K.
WATANABE, Y. *see* OYA, K.
WATSON, R. *see* SEHMI, R.
WEIGHARDT, H. *see* FETEROWSKI, C.
WEIJER, S., LEEMANS, J.C., FLORQUIN, S., SHIMIZU, T., ISHII, S. & VAN DER POLL, T. Host response of platelet-activating factor receptor-deficient mice during pulmonary tuberculosis, 552
WELDON, S. *see* YEAMAN, G.R.
WERNET, O. *see* CHEN, D.

WESTERBERG, L., WALLIN, R.P.A., GREICIUS, G., LJUNGGREN, H.-G. & SEVERINSON, E. Efficient antigen presentation of soluble, but not particulate, antigen in the absence of Wiskott–Aldrich syndrome protein, 384
WILSON, E.H., DEEHAN, M.R., KATZ, E., BROWN, K.S., HOUSTON, K.M., O'GRADY, J., HARNETT, M.M. & HARNETT, W. Hyporesponsiveness of murine B lymphocytes exposed to the filarial nematode secreted product ES-62 *in vivo*, 238
WINES, B.D., GAVIN, A., POWELL, M.S., STEINITZ, M., BUCHANAN, R.R.C. & HOGARTH, P.M. Soluble FcγRIIa inhibits rheumatoid factor binding to immune complexes, 246
WIRA, C.R. *see* YEAMAN, G.R.
WIRA, C.R. & ROSSOLL, R.M. Oestradiol regulation of antigen presentation by uterine stromal cells: role of transforming growth factor-β production by epithelial cells in mediating antigen-presenting cell function, 398
WOOF, J.M. *see* PLEASS, R.J.
WU, J. *see* ZHOU, Y.-W.

XIA, J. *see* CHEN, D.
XU, J. *see* TRAN, P.

YAMAGUCHI, A. *see* KOHAMA, Y.
YAMAMOTO, H. *see* KOHAMA, Y.
YAMAMOTO, R. *see* UENISHI, H.
YANAGITA, S. *see* UKYO, N.
YANG, J.-H., LUO, X., NIE, Y., SU, Y., ZHAO, Q., KABIR, K., ZHANG, D. & RABINOVICI, R. Widespread inosine-containing mRNA in lymphocytes regulated by ADAR1 in response to inflammation, 15
YASUE, H. *see* UENISHI, H.
YEAMAN, G.R., HOWELL, A.L., WELDON, S., DEMIAN, D.J., COLLINS, J.E., O'CONNELL, D.M., ASIN, S.N., WIRA, C.R. & FANGER, M.W. Human immunodeficiency virus receptor and coreceptor expression on human uterine epithelial cells: regulation of expression during the menstrual cycle and implications for human immunodeficiency virus infection, 137
YING, S. *see* SEHMI, R.
YOKOYAMA, H. *see* TSUKADA, C.
YOSHIKAWA, Y. *see* LEE, W.-W.

ZHANG, D. *see* YANG, J.-H.
ZHANG, X. *see* BECKEBAUM, S.
ZHAO, Q. *see* YANG, J.-H.
ZHOU, Y.-W., ARITAKE, S., ENDHARTI, A.T., WU, J., HAYAKAWA, A., NAKASHIMA, I. & SUZUKI, H. Murine lymph node-derived stromal cells effectively support survival but induce no activation/proliferation of peripheral resting T cells *in vitro*, 496
ZHOU, X. *see* TENGER, C.
ZHU, F.-G., REICH, C.F. & PISETSKY, D.S. Effect of cytofectins on the immune response of murine macrophages to mammalian DNA, 255
ZOU, X. *see* NGUYEN, V.K

Subject index

Acute myocardial infarction:
  ischemia-reperfusion injury, 557
Acute phase reactants:
  complement, 564
Adaptive immunity:
  transplantation, 185
Adenovirus:
  B7-1 expression, 336
  costimulation, 336
Adjuvant:
  CD40 antibody, 87
  HSV antigens, 87
Aging:
  cutaneous lymphocyte antigen (CLA), 24
  T cells, 24
  telomere length, 24
Airway smooth muscle:
  allergic exposure, 461
Allograft rejection:
  innate response, 185
Alloreactivity:
  dendritic cells, 226
  OX40, 226
Animal models:
  HIV transmission, 271
Antibodies:
  antiDNA-IgG1, 476
  hyper-IgE syndrome, 476
  IgG2a, 476
Antigen presentation
  epithelial cells, 398
  TGFβ, 398
Antigen-presenting cells (APCs):
  MHC class II, 392
  soluble antigen, 384
  TGFβ, 398
  WASP, 384
Apoptosis:
  costimulation, 41
  induced by *M. leprae*, 156
  monocytes, 156
  Tregs, 319
  TNF-α, 156
  tumour cells, 41
Asthma:
  allergic inflammatory response, 536
  eosinophilia, 536
Autoimmunity GVHR:
  CD8/CD4 cells, 476
  Th1/Th2, 476

B7-1 expression:
  adenovirus, 336
  HEL peptide, 336
  T cell, 336
B-cell development:
  BCR, 351
  LAT protein, 351
B-cell heavy chain:
  camelid antibody, 93
B-cell markers:
  B1 cells, 232
  balb/C, 232
  lymphoma, 232
  marginal zone, 232
B-cell receptor:
  signalling, 351
B cells:
  CD86 expression, 102
  dromedary, 93
  heavy chain, 93
  immunomodulation, 238
  MAP kinase, 238
  MHC expression, 102
  murine, 93
  signalling, 102
Bcl-2:
  cell death regulators, 504
  hbcl-2, 504
  hbcl-x$_L$, 504

Berberine:
  induces IL-12 production, 407
Binding site:
  IgA-Fc receptor, 331
Biofilm formation in the gut:
  epithelial cells, 580
  enteric bacteria, 580

CCL2:
  tuberculosis infection, 547
CD1d:
  control of NK cells, 171
CD4$^+$CD8$^+$ double positive T cells:
  cynomolgus monkeys, 217
  effect of age, 217
  thymic involution, 217
CD4$^+$CD25$^+$ regulatory cells:
  apoptosis, 319
  peripheral generation, 319
CD8$^+$ T cells:
  αβ T cells, 343
  intestine, 343
  liver, 343
  TAP-1 deficient mice, 343
CD40:
  adjuvant, 87
  antibody, 87
  germinal centres, 504
  IgG, 504
CD44:
  dendrtic cell antigen presentation, 32
  germinal centres, 504
  IgG, 504
  mAbs, 32
  role in apoptosis, 32
CD59:
  cell distribution, 117
  monoclonal antibodies, 117
CD80:
  melanoma cell expression, 41
  role in tumour immunity, 41
CD86:
  murine B cells, 102
  signalling, 102
CD89:
  intraction with human IgA, 331
Chemokines:
  CCL2, 547
  CCR3, 536
  eotaxin receptor, 536
  HIV receptors, 137
  murine, 68
  role in CTL responses, 68
  role in murine tuberculosis, 547
  uterus, 137
Chondrocyte:
  lysis by CTL, 8
Comparative immunology:
  swine, 515
Complement:
  CD59, 117
  histology, 117
  inhibitors, 117
  membrane attack complex, 557
  rat C-reactive protein, 564
Coronavirus SARS:
  respiratory disease, 326
  respiratory viruses, 326
CpG DNA:
  cytofectins, 255
  human placenta, 255
  mammalian, 255
  murine macrophages, 255
  thymus, 255
CTL:
  anti-MUC1 immunity, 300
  chicken anaemia virus, 283
  chondrocyte lysis, 8
  human, 8
  immunosuppression, 283

inflammation, 8
Marek's disease, 283
role in cartilage damage, 8
CTL response:
influenza-specific, 68
MIP-1α knockout mice, 68
Cutaneous lymphocyte antigen (CLA):
T-cell subpopulation, 24
Cytofectins:
effect of macrophages, 255
Cytokines:
IFN-β, 496
IFN-γ, 147, 476, 487
IL-2, 147, 487
IL-4, 496
IL-6, 496
IL-7, 496
IL-10, 473
IL-12, 473, 476, 487
IL-12 (p40, p35 subunits), 415
IL-18, 476
IL-23, 415
inflammatory cytokines, 476
T. cruzi infection, 147
TNF-α, 473, 476, 487

Dendritic cells (DCs):
329, 487
bacterial LPS, 473
bone marrow derived, 197
effect of nicotine, 365
enhances $CD8^+$ T cells, 374
human, 360, 365
MHC class I loading, 374
monocyte-derived, 365
nicotine, 329
nitric oxide secretion, 197
rat, 197
role in T cell apoptosis, 32
role of CD44, 32
RSV infection, 49
source of MBL, 360
T-cell proliferation, 197
T-cell responses (Th1 responses), 487
toll-like receptor 4, 473
Dendritic epidermal T cells (DETC):
regulation of inflammation, 1
secretion of LTβ4, 1
DNA vaccine:
IL-12, 308
Mycobacterium infection, 308

Epithelial cells:
on antigen presenting cells (APCs), 398
uterus, 398
Estradiol:
effect on antigen presenting cells (APCs), 398

Fc receptor:
inhibits RF binding, 246
Filarial nematode:
murine B cells, 238

Genomic structure:
conserved regions, 515
MIRs, 515
repetitive sequences, 515
Glycolipid:
antigen presentation, 171
Graft versus host disease (GvH):
LPS, 440
nitric oxide, 440

Hepatitis B virus (HBV)
lamivudine (3TC), 487
HIV-1:
oral transmission, 271
animal models, 271
NOD/SCID model, 271
HIV receptor:
chemokines, 137
uterine expression, 137

IFN-γ:
role in GvH disease, 440

IgA:
Fc receptor, 331
human, 331
IgE production:
antigen-specific, 76
endocrine disruptors, 76
murine, 76
regulation by IL-4, 76
IL-4 production:
from antigen primed $CD4^+$ T cells, 76
promoter activity, 76
IL-5:
post-transcription, 527
regulation by dexamethasone, 527
IL-5 upregulation:
fungal and bacterial agents, 263
NK activity, 263
IL-10:
knockout mice, 295
Mycobacterium tuberculosis infection, 295
role, 295
IL-12:
murine macrophages, 407
Th1/Th2 responses, 407
vaccine, 308
Immune complexes (ICS):
RF binding, 246
Immune responses:
humoural, 504
T dependent, 504
Immune stimulating complexes:
MHC class I, 374
Immunomodulation:
allergy, 461
Immunosuppression:
DCs, 365
role of nicotine, 365
Immunotherapy:
anti-MUC1 immunity, 300
Inflammation:
C-reactive protein, 564
CSA, 461
endotoxin, 15
glucocorticoids, 527
IL-1, 127
IL-5, 527
immunomodulators, 461
overlap between innate and adaptive responses, 185
platelet activating factor (plasmin), 557
PMN, 557
platelet activating factor (streptokinase), 557
RNA editing, 15
TLR expression, 127
Intraepithelial lymphocytes (IEL):
murine skin, 1
regulation of inflammation, 1

Knock-in mice:
αβ T cell, 510

LAT protein:
role in B-cell development, 351
LDL immune complexes:
transcription factors, 572
AP-1, 572
Ets, 572
Lipoproteins:
effect on antigen presenting cells (APCs), 392
immunomodulation, 392
inhibits T-cell activation, 392
Listeria:
$CD8^+$ memory T cells, 450
IL-15, 450
Lung:
chemokines, 547

M. avium infection:
DNA vaccine, 308
M. leprae:
induction of monocyte apoptosis, 156
Mannanose-binding lectin (MBL):
regulatory role, 360
MAP kinase:
dependent mechanisms, 415
independent mechanisms, 415

matrix metalloproteinase:
MMP-1, 572
MMP-1 promoter, 572
Memory T cells:
anti-HIV-gag, 450
Listeria, 450
MHC class II:
murine B cells, 102
signalling, 102
MIP-1α:
CTL response, 68
murine, 68
Mycobacterium tuberculosis:
Th 1 immunity, 295
murine, 295
IL-10, 295

Naïve T cells:
IFN-γ production, 49
RSV infection, 49
Natural killer (NK) cells:
AP-1 activation, 432
CD1d control, 171
human, 432
IL-15 gene expression, 263
PKC, 432
signalling, 432
Nematodes:
anti-inflammatory, 415
ES-62, 415
Nicotine:
329
Nitric oxide:
role in GvH disease, 440

Oestradiol:
effect on APC, 398
OX40:
mixed leucocyte reaction, 226
role in alloreactivity, 226

PI 3-kinase:
CD86 expression, 102
MHC II expression, 102
PBMC:
aging, 24
CD45 expression, 24
cutaneous lymphocyte antigen (CLA), 24
Platelet activating factor (PAF):
PAF receptor, 552
Progenitor cells:
BM $CD34^+$, 536
Protein kinase C (PKC):
role in cytotoxicity, 432
NK cells, 432

Respiratory syncytial virus (RSV):
dendritic cells, 49
induction of IFN-γ, 49
Rheumatoid factor (RF):
Fc receptor, 246
immune complex binding, 246
RNA editing:
inflammation, 15

SARS vaccine:
antiviral drugs, 326
Secretory IgA:
human, 580
Sepsis:
TLR4 signalling, 426
Signal transduction:
Erk, 415
IRF-1, 415
NF-κB, 415
Signalling:
human T cells, 58
through TCR, 58
Stromal cells:
lymph node stromal cells, 496
murine derived, 496
Surface IgH:
dromedary, 93

T-cell activation:
effect of lipoproteins, 392
T-cell growth factor:
immature thymocytes, 209
stromal cells, 209
T-cell proliferation:
role of DCs, 197
T-cell receptor:
α/δ, 515
TRAJ, 515
T-cell responses:
Th1 responses, 487
T cells:
CD4 (Th1), 473
CD4 (Th2), 473
human, 109
induction of TNF, 109
TNF production, 109
T. cruzi:
cytokine, 147
synthetic peptides, 147
Tc52, 147
virulence factor, 147
T lymphocytes:
naïve T cells, 496
peripheral T cells, 496
resting T cells, 496
TAP-1 deficient mice:
$CD8^+$ T cells, 343
TCR:
Ly49 inhibitory receptors, 58
signalling, 58
TCRβ gene:
transcriptional enhancer (Eβ), 510
V(D)J recombination, 510
Th1/Th2:
alkaloids, 407
IL-12, 407
Thymic involution:
double positive T cells, 217
Thymocyte:
differentiation, 209
T-cell growth factor, 209
Thymus:
microenvironment, 209
TLR expression:
gene transcription, 127
induced by IL-1, 127
inflammation, 127
murine hepatocytes, 127
TNF family:
human, 109
immunosuppression, 109
ligands, 109
T cells, 109
Toll-like receptor (TLR):
gene polymorphism, 426
human, 426
signalling, 426
Transplantation:
inflammatory mediators, 185
Tregs
sub-populations, 319
Tuberculosis:
host defence, 552
Mycobacterium tuberculosis, 552
pulmonary TB, 552
Tumour immunity:
apoptosis, 41
costimulation, 41
CTL, 300
spontaneous breast carcinoma, 300
vaccination, 300

Vaccine:
adjuvants, 87
CD40 antibody, 87
HSV, 87

Wiskott–Aldrich syndrome (WASP):
antigen presentation, 384
soluble antigen, 384